

PATENTS

AMENDMENTS TO THE CLAIMS

The following listing of claims replaces all prior versions of claims in the application:

Claim 1 (currently amended): A method of organizing and effecting a dynamic and comprehensive workflow management system for an entity in control of various kinds of machinery, said workflow management system using a computer network that permits computer access to a server capable of containing a centralized database pertaining to said dynamic workflow management system, said method comprising:

identifying all of the individual core management functions that relate to the overall management of all of the machinery controlled by an entity, said overall management encompassing the entire life cycles of said machinery, said core management functions consisting of internal core management functions and external core management functions, each said internal core management function involving specialized management of a business aspect of said overall management, each said external core management function involving specialized management of a technical aspect of said overall management, said internal core management functions including contracts management, budget management and facilities management, said external core management functions including life cycles management and engineering management, said engineering management involving at least one type of engineering related to said machinery including in-service said machinery, said at least one type of engineering being selected from the group consisting of data engineering, design engineering, installation engineering, and maintenance engineering;

producing information pertaining to said core management functions, said information including plural individual workflow descriptions, each said individual workflow description describing a said core management function and establishing at least one linkage of said individual workflow description with at least one other said individual workflow description;

establishing core management function units, said core management function units at least substantially representing said core management functions;

uploading to said server for storage in said centralized database a coherent presentation essentially integrating said information, said coherent presentation encompassing a multiplicity of tasks, said coherent presentation representing an operational plan for performing all of said tasks, the performance of each said task commencing in a said core management function unit, at least some said tasks being performed in plural said core management function units based on said at least one linkage of said individual workflow description with at least one other said individual workflow description, said coherent presentation being computer-accessible by said core management function units;

performing at least one said task, said performance of at least one said task including use of said coherent presentation; and

updating said coherent presentation at least once, each said updated coherent presentation being computer-accessible by said core management function units, each said updating including uploading at least a portion of a said individual workflow description describing a said core management function so as to render at least one change to the preceding said individual workflow description describing the same said core management function, said at least one change including modification with respect to said at least one linkage of said individual workflow description with at

PATENTS

least one other said individual workflow description.

Claim 2 (currently amended): The [[A]] method according to claim 1, wherein said core functions includes identifying external core management functions further include at least one external core management function selected from the group consisting of life cycle management, acquisition management, research and development management, test and evaluation management, in-service engineering, integrated logistic support management, program management, and platform management.

Claim 3 (currently amended): The [[A]] method according to claim 1, wherein said identified external core management functions further include are external core functions including life cycle management, acquisition management, research and development management, test and evaluation management, in-service engineering, integrated logistic support management, program management and platform management.

Claim 4 (currently amended): The [[A]] method according to claim 2 [[1]], wherein said life cycles management is the linchpin external core management function for all of said external identifying core management functions includes identifying internal core functions selected from the group consisting of facility planning, budget strategy and contracting requirements.

Claim 5 (currently amended): The [[A]] method according to claim 3 [[1]], wherein said life cycles management is the lynchpin external core management function for all of said external identifying core management functions includes identifying internal core functions selected from the group consisting of facilities, budget and contracts.

Claims 6-9 (canceled)

Claim 10 (currently amended): The [[A]] method according to claim 1, wherein each said individual workflow description includes narrative description, procedural description and flow diagrammatic description.

Claim 11 (currently amended): The [[A]] method according to claim 1, wherein said coherent presentation includes a manual, wherein said manual includes narrative description, procedural description and flow diagrammatic description for each core function.

Claim 12 (currently amended): The [[A]] method according to claim 1, wherein said establishing external core management function units include a life cycle management unit and an engineering management unit, and wherein said external core management function units further include at least one includes establishing external core management function unit units selected from the group consisting of life cycle management, acquisition management unit, research and development

management unit, test and evaluation management unit, in-service engineering management unit, integrated logistic support management unit, program management unit, and platform management unit.

Claim 13 (currently amended): The [[A]] method according to claim 1, wherein said establishing internal core management function units includes establishing internal core functions selected from the group consisting of include a facilities management unit, a budget management unit, and a contracts management unit.

Claim 14 (currently amended): The [[A]] method according to claim 1, wherein said establishing core function units includes:

said establishing external core management function units include a life cycle management unit and an engineering management unit;

said external core management function units further include external core management function units selected from the group consisting of life cycle management, acquisition management unit, research and development management unit, test and evaluation management unit, in-service engineering, integrated logistic support management unit, program management unit and platform management unit; and

said establishing internal core management function units include functions selected from the group consisting of a facilities management unit, a budget management unit, and a contracts management unit.

Claim 15 (currently amended): The [[A]] method according to claim 1, wherein said establishing core function units includes:

said establishing external core function management units include including a life cycle management unit, an acquisition management unit, a research and development management unit, a test and evaluation management unit, an in-service engineering management unit, an integrated logistic support management unit, a program management unit, and a platform management unit;
and

said establishing internal core function management units include functions including a facilities management unit, a budget management unit, and a contracts management unit.

Claim 16 (currently amended): The [[A]] method according to claim 1, said method further comprising instituting communications among said core management function units, said instituting communications including instituting at least one type of communications selected from the group consisting of telephone, telefax, paper correspondence and electronic mail.

Claim 17 (currently amended): The [[A]] method according to claim 1, said method further comprising distributing hard copies of said coherent presentation among said core management function units.

PATENTS

Claim 18 (currently amended): The [[A]] method according to claim 1, wherein said producing information pertaining to said core management functions includes establishing plural teams, each said team being charged with submitting a section of said information that characterizes a different said core management function.

Claim 19 (currently amended): A method for defining and executing the flow of management operations of an organization that controls a variety of machinery, said method making use of a central computer and plural workstation computers connected to said central computer, said method comprising:

establishing plural organizational units, each said organizational unit availing itself of at least one said workstation computer, said establishing including proposing initial core functions and assembling informational segments, each said informational segment describing the functional flow associated with a said initial core function, the functional flow associated with each said initial core function being characterized by at least one nexus between said functional flow and the functional flow associated with at least one other said initial core function, said establishing plural organizational units further including designating refined core functions, said refined core functions at least substantially corresponding to said initial core functions, each said organizational unit performing a said refined core function, said refined core functions being every core function relating to the overall management of every item of machinery controlled by an organization, said overall management encompassing the entire life cycles of said machinery, said refined core functions consisting of internal refined core functions and external refined core functions, each said internal refined core function involving specialized management of a business aspect of said overall

PATENTS

management, each said external refined core function involving specialized management of a technical aspect of said overall management, said internal refined core functions including contracts management, budget management, and facilities management, said external refined core functions including life cycles management and engineering management, said engineering management involving at least one engineering area related to said machinery including said machinery that is in service, said at least one engineering area being selected from the group consisting of data engineering, design engineering, installation engineering, and maintenance engineering;

formulating a manual that is at least substantially arranged in accordance with said organizational units and said refined core functions respectively performed by said organizational units, said manual covering at least substantially all of the undertakings of said organization, said manual at least substantially incorporating said informational segments so as to prescribe said flow of management operations both intrarelationaly within each said organizational unit and interrelationally between said organizational units, the functional flow associated with each said refined core function being characterized by at least one nexus between said functional flow and the functional flow associated with at least one other said refined core function, said manual prescribing action to be taken for carrying out each said undertaking, each said undertaking requiring action to be taken by at least one said organizational unit, at least some said undertakings requiring action to be taken by at least two said organizational units, wherein each said undertaking that requires action to be taken by at least two said organizational units is carried out in accordance with at least one said nexus between two said functional flows associated with said refined core functions respectively performed by said at least two said organizational units;

storing said manual in said central computer for computer access by said organizational

PATENTS

units, said manual being stored in a form electronically modifiable by each said organizational unit;

carrying out at least one said undertaking, at least one said undertaking being carried out so that action is taken by at least two said organizational units; and

maintaining currency of said manual as stored in said central computer, said maintaining currency including electronically modifying of said manual, by at least one said organizational unit, with respect to at least one nexus between the respective functional flows associated with at least two said refined core functions.

Claim 20 (currently amended): The [[A]] method for defining and executing the flow as recited in claim 19, said method further comprising disseminating hard copies of said manual to said organizational units.

Claim 21 (currently amended): The [[A]] method for defining and executing the flow as recited in claim 19, wherein said establishing plural organizational units includes establishing external core function units, said external core function units performing respective external core functions, said external refined core function units functions further include including life cycle management unit, acquisition unit, research and development unit, test and evaluation unit, in-service engineering unit, integrated logistic support unit, program management unit, and platform management unit.

Claims 22-23 (canceled)

Serial No.: 09/671,871

Amendment

Page 10 of 18

Claim 24 (currently amended): The [[A]] method for defining and executing the flow as recited in claim 19, said method further comprising enabling communication among said organizational units in furtherance of said flow of management operations, wherein said enabling communication includes instituting at least two communication means selected from the group consisting of telephone, telefax, correspondence and e-mail.

Claim 25 (currently amended): The [[A]] method for defining and executing the flow as recited in claim 19, said maintaining currency including formulating a scheduling policy for continually improving said flow of management operations, said formulating a scheduling policy including prescribing the periodic updating of said manual.

Claim 26 (currently amended): The [[A]] method for defining and executing the flow as recited in claim 25, wherein said periodic updating of said manual includes said electronically modifying of said manual.

Claim 27 (currently amended): The [[A]] method for defining and executing the flow as recited in claim 19, wherein said electronically modifying of said manual includes adding at least one nexus between the respective functional flows associated with at least two said refined core functions.

PATENTS

Claim 28 (currently amended): The [[A]] method for defining and executing the flow as recited in claim 19, wherein said electronically modifying of said manual includes removing at least one nexus between the respective functional flows associated with at least two said refined core functions.

Claim 29 (currently amended): A computer-networked system for performing workflow management of machinery that exists within the scope of activity of an organization, said system comprising a plurality of clients and a server, said server being configured to maintain a centralized database relating to said workflow management that is computer-accessible by said clients, said server being further configured to receive, in said centralized database, information uploaded by any of said clients, said uploaded information constituting a comprehensive plan prescribing the performance of all of the pieces of work encompassed by said workflow, said comprehensive plan admitting of performance of a said piece of work in at least substantially any portion of said comprehensive plan, wherein said uploaded information includes:

a plurality of individual workflow descriptions pertaining to an exhaustive group of core functional units, each said individual workflow description pertaining to a core functional unit and establishing at least one linkage of said individual workflow description with at least one other said individual workflow description, each said piece of work being performed in accordance with at least one said individual workflow description, at least some said pieces of work being performed in accordance with at least two said individual workflow descriptions and at least one said linkage corresponding to said at least two said individual workflow descriptions, said core functional units representing every core function relating to the overall management of every item of machinery

PATENTS

controlled by an organization, said overall management encompassing the entire life cycles of said machinery, said core functional units consisting of internal core functional units and external core functional units, each said internal core functional unit involving specialized management of a business aspect of said overall management, each said external core functional unit involving specialized management of a technical aspect of said overall management, said internal core functional units including a contracts unit, a budget unit, and a facilities unit, said external core functional units including a life cycles management unit and an engineering unit, said engineering unit involving at least one engineering area related to said machinery including said machinery that is in service, said at least one engineering area being selected from the group consisting of data engineering, design engineering, installation engineering, and maintenance engineering; and

revisionary input, said revisionary input revising said comprehensive plan, each said revisionary input including at least a portion of a said individual workflow description so as to render at least one revision to the preceding said individual workflow description pertaining to the same said core functional unit, each said revisionary input revising said comprehensive plan with respect to said at least one linkage of a said individual workflow description with at least one other said individual workflow description.

Claim 30 (currently amended): The [[A]] system for performing workflow management as recited in claim 29, wherein said core functional units comprise external core functional units further include including a life cycle management unit, an acquisition unit, a research and development unit, a test and evaluation unit, an in-service engineering unit, an integrated logistic support unit, a program management unit, and a platform management unit.

Serial No.: 09/671,871

Amendment

Page 13 of 18

Claims 31-32 (canceled)

Claim 33 (currently amended): The [[A]] system for performing workflow management as recited in claim 29, said system further comprising computer-based communication means and non-computer-based communication means, wherein said computer-based communication means includes electronic mail, and wherein said non-computer-based communication means includes telephone, facsimile transmission and written correspondence.